

Title (en)

IRREVERSIBLE-ELECTROPORATION (IRE) WORKFLOW TO REDUCE TIME BETWEEN ABLATIONS

Title (de)

IRREVERSIBLER ELEKTROPORATIONSARBEITSABLAUF ZUR REDUZIERUNG DER ZEIT ZWISCHEN ABLATIONEN

Title (fr)

FLUX DE TRAVAIL D'ÉLECTROPORATION IRRÉVERSIBLE (IRE) POUR RÉDUIRE LE TEMPS ENTRE DES ABLATIONS

Publication

EP 4272676 A1 20231108 (EN)

Application

EP 23170657 A 20230428

Priority

- US 202263337209 P 20220502
- US 202318123424 A 20230320

Abstract (en)

An irreversible electroporation (IRE) method includes receiving a total number of IRE pulses to be applied by one or more electrodes of a catheter placed in proximity to a tissue in an organ. An IRE protocol is defined by defining a partitioning of the total number of the IRE pulses into multiple pulse trains separated by pauses, the partitioning defined so as to reduce a total duration of the IRE protocol while meeting a safety criterion. The IRE protocol is applied to the tissue using the electrodes.

IPC 8 full level

A61B 18/14 (2006.01); **A61B 18/12** (2006.01); **A61B 18/00** (2006.01)

CPC (source: EP IL US)

A61B 18/1206 (2013.01 - EP IL); **A61B 18/1492** (2013.01 - EP IL US); **A61B 2018/00613** (2013.01 - EP IL US); **A61B 2018/00684** (2013.01 - EP IL US); **A61B 2018/00708** (2013.01 - EP IL); **A61B 2018/00726** (2013.01 - IL US); **A61B 2018/00761** (2013.01 - EP IL); **A61B 2018/00767** (2013.01 - IL US); **A61B 2018/00988** (2013.01 - EP IL)

Citation (applicant)

- WO 2021207385 A1 20211014 - GALARY INC [US], et al
- US 8456182 B2 20130604 - BAR-TAL MEIR [IL], et al

Citation (search report)

- [Y] US 2022031387 A1 20220203 - GOVARI ASSAF [IL]
- [Y] US 2021401490 A1 20211230 - GOVARI ASSAF [IL], et al
- [Y] US 2022071692 A1 20220310 - GOVARI ASSAF [IL], et al
- [A] WO 2021207385 A1 20211014 - GALARY INC [US], et al
- [A] US 2019201089 A1 20190704 - WALDSTREICHER JONATHAN REUBEN [US], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 23170657 A 20230428; IL 30229823 A 20230420; JP 2023075492 A 20230501; US 202318123424 A 20230320